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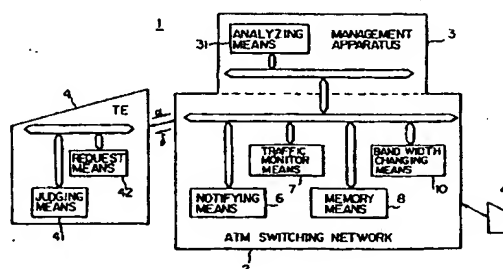
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W-8000 München 81(DE)(54) **ATM communication system.**

(57) An ATM communication system including an ATM switching network (2) which includes a plurality of ATM exchanges and controls exchanges among a plurality of terminal equipment (4) and a management apparatus (3) which manages the traffic in the ATM switching network (2); the ATM switching network (2) including a notifying unit (6) which notifies the terminal equipment (4) of the allocable bandwidth which can be used in accordance with the amount of traffic in the ATM switching network; when the notified allocable bandwidth is a bandwidth which can be used for their communication, the terminal equipment (4) starting the communication in the range of that bandwidth.

Fig. 7**EP 0 448 073 A3**



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EUROPEAN SEARCH REPORT

Application Number

EP 91 10 4330

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X	IEEE INTERNATIONAL CONFERENCE ON COMMUNICATIONS, 'World Prosperity through Communications', 11th-14th June 1989, Boston, MA, vol. 2, pages 713-717, IEEE; K. NAKAMAKI et al.: "Traffic control for ATM networks" * Paragraph 4.2 - paragraph 5 *	1,4,20	H 04 L 12/56 H 04 Q 11/04
Y	--- IDEM	2,3,18, 19,21	
A	--- IDEM	6,12-16 ,22,23, 25	
Y	--- EP-A-0 351 818 (HITACHI) * Abstract; column 14, lines 16-38 *	2,21	
A	--- ---	6	
Y	--- PATENT ABSTRACTS OF JAPAN, vol. 13, no. 2 (E-700), 6th January 1989; & JP-A-63 214 044 (SUMITOMO ELECTRIC IND. LTD) * Abstract *	3	
A	--- ---	18,19	TECHNICAL FIELDS SEARCHED (Int. Cl.5) H 04 L H 04 Q
Y	--- EP-A-0 214 625 (AT&T) * Abstract; claims 1-3; figure 2 *	18,19	
A	--- PATENT ABSTRACTS OF JAPAN, vol. 11, no. 31 (E-475), 29th January 1987; & JP-A-61 198 847 (FUJITSU LTD) 03-09-1986 * Abstract *	5,9,24	
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 21-05-1992	Examiner ALI A.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			



CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claims:
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

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- ☒ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☐ None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



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Application Number

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	PATENT ABSTRACTS OF JAPAN, vol. 12, no. 256 (E-635), 19th July 1988; & JP-A-63 042 543 (NTT) 23-02-1988 * Abstract * ---	10	
A	IEEE GLOBAL TELECOMMUNICATIONS CONFERENCE & EXHIBITION, Hollywood, Florida, 28th November 1st December 1988, "Communications for the Information Age", Conference Record, vol. 1, pages 203-207, IEEE; G.M. WOODRUFF et al.: "A congestion control framework for high-speed integrated packetized transport" * Sections 3.1.1, 3.2, and 4 * -----	1-26	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 21-05-1992	Examiner ALI A.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document			



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LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims 1-17,20-26 : ATM network including sub-systems for allocating and monitoring bandwidth
2. Claims 18,19 : Communication procedure for call admission in ATM telecom networks